

ABSTRACT

[Subject] To provide a light source unit in which only a small number of components are required, the shapes of the corresponding components are not complicated, a lens is fixed by simple means and hence good workability is achieved, and lowering of an illumination intensity of the light source unit while avoiding occurrence of displacement between an optical axis of an oval reflector integrated in the light source unit and an optical axis of a collimator lens is prevented.

[Solving Means] A light source unit 10 including: an arc tube 11 having a light emitting section 111 in which discharging emission is performed between electrodes and sealed sections 112 provided on both sides of the light emitting section 111; an oval reflector 12 for emitting a luminous flux radiated from the arc tube 11 in a certain direction; a collimator lens 14 for parallelizing convergent rays from the oval reflector 12; a lamp housing 15 for setting the direction of the optical axis of the oval reflector 12, and is characterized in that the collimator lens 14 is fixed to the lens positioning member provided in the lamp housing 15 so that the optical axis V of the oval reflector 12 and the optical axis W of the collimator lens 14 are aligned.